

### **Amendments to the Claims**

This listing of the claims will replace all prior versions, and listings, of claims in the application.

1 – 15 (Cancelled)

16. (Currently Amended) A system for testing an implant attached to a bone, the system comprising:

a member adapted to be releasably attached to said implant;[[,]] and  
a testing apparatus comprising an electromagnetic field generator for exciting the member and comprising detecting means for detecting at least one resonance frequency of the member when it is attached to the implant,  
wherein said member comprises a magnetic part and said testing apparatus detecting means comprises an electromagnetic detector for contactless detection of said magnetic part.

17. (Cancelled)

18. (Previously Presented) The system according to claim 16, wherein said electromagnetic detector comprises a coil.

19. (Previously Presented) The system according to claim 16, further comprising an amplifier, a processor, and a data storing arrangement.

20. (Previously Presented) The system according to claim 19, wherein signals detected by the electromagnetic detector are amplified by said amplifier and applied as an input to be analyzed; the analyzed output, which represents a ratio of a response voltage to the excitation, is fed to said processor, which varies the frequency output of the oscillator of the analyzer, and stores the results in said data storing arrangement.

21 – 23 (Cancelled)

24. (Previously Presented) The system according to claim 16, wherein said magnetic part consists of a ferromagnetic material.

25. (Previously Presented) The system according to claim 20, wherein said detector comprises a coil for detecting disturbances in an external magnetic field.

26. (Previously Presented) The system according to claim 16, wherein the member comprises a cantilever beam.

27. (Previously Presented) The system according to claim 26, wherein the beam is arranged or adapted to resonate at a frequency within the range of about 1 to 20 kHz.

28. (Previously Presented) The system according to claim 16, wherein said member is disposable.

29. (Currently Amended) A disposable implant testing part provided for testing an implant attached to a bone, said part comprising a detectable part, which can be excited by a electromagnetic field generator of the testing apparatus and detected contactlessly by ~~means of a detector of the testing apparatus~~.

30. (Previously Presented) The system according to claim 27, wherein the beam is arranged or adapted to resonate at a frequency within the range of about 1 to 10 kHz.

31. (Previously Presented) The system according to claim 30, wherein the beam is arranged or adapted to resonate at a frequency of about 8 kHz.

32 – 34 (Cancelled)